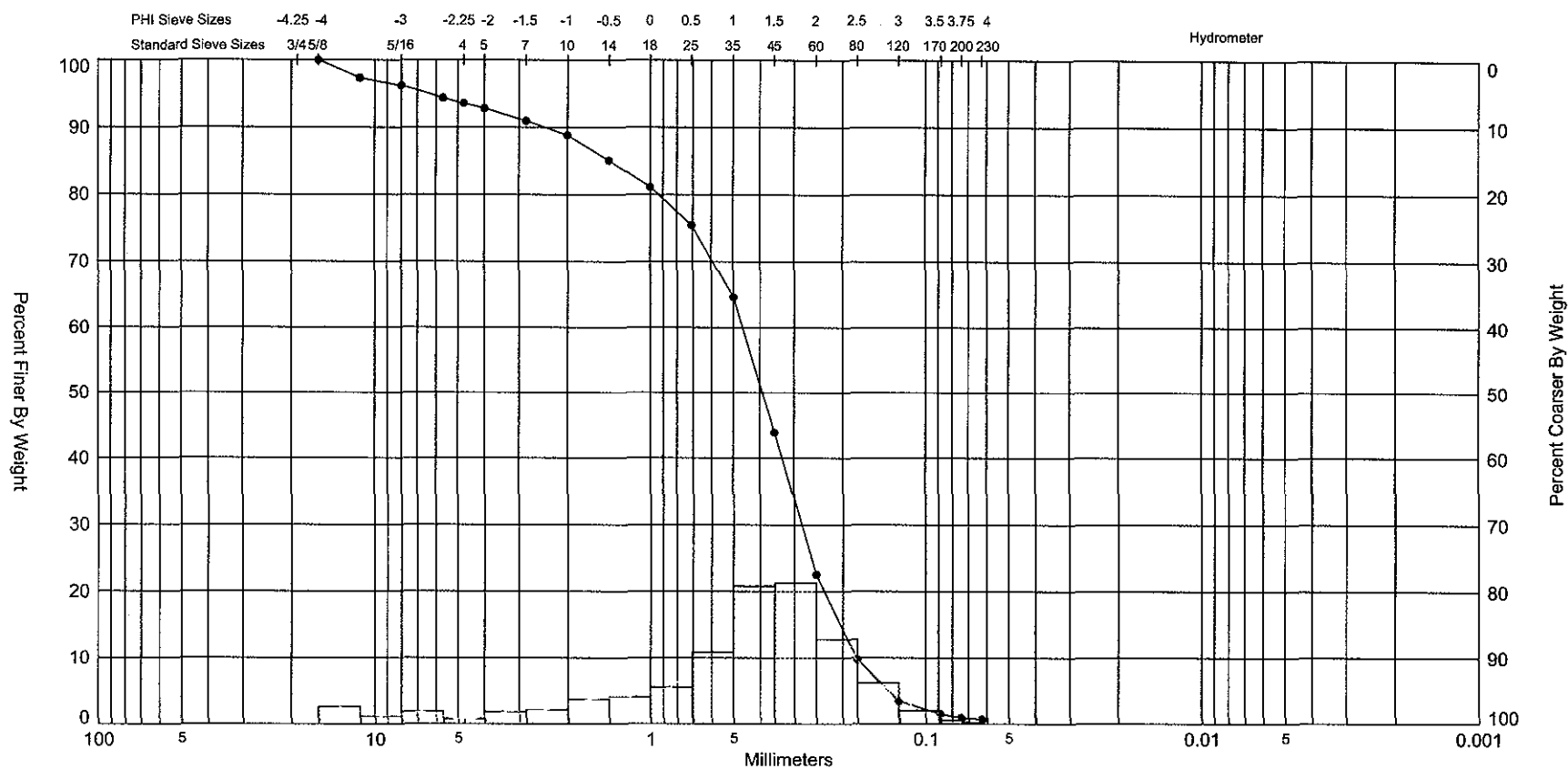


Boring Designation LCDA-01

DRILLING LOG		DIVISION	INSTALLATION	SHEET 1
			OF 1 SHEETS	
1. PROJECT Matagorda County Sand Search Matagorda County, Texas			9. SIZE AND TYPE OF BIT	
2. BORING DESIGNATION LCDA-01		LOCATION COORDINATES X = 10,607,423 ft Y = 660,781 ft	10. COORDINATE SYSTEM/DATUM UTM Zone 15	
3. DRILLING AGENCY Coastal Tech		CONTRACTOR FILE NO.	11. MANUFACTURER'S DESIGNATION OF DRILL Auger	
4. NAME OF DRILLER Randy Parkinson		12. TOTAL SAMPLES		
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED		DEG. FROM VERTICAL	BEARING	13. TOTAL NUMBER CORE BOXES
6. THICKNESS OF OVERBURDEN 0.0 Ft.		14. ELEVATION GROUND WATER		
7. DEPTH DRILLED INTO ROCK N/A		15. DATE BORING 05-13-05		
8. TOTAL DEPTH OF BORING 9.0 Ft.		16. ELEVATION TOP OF BORING Not Determined		
		17. TOTAL RECOVERY FOR BORING 9 Ft.		
		18. SIGNATURE AND TITLE OF INSPECTOR		

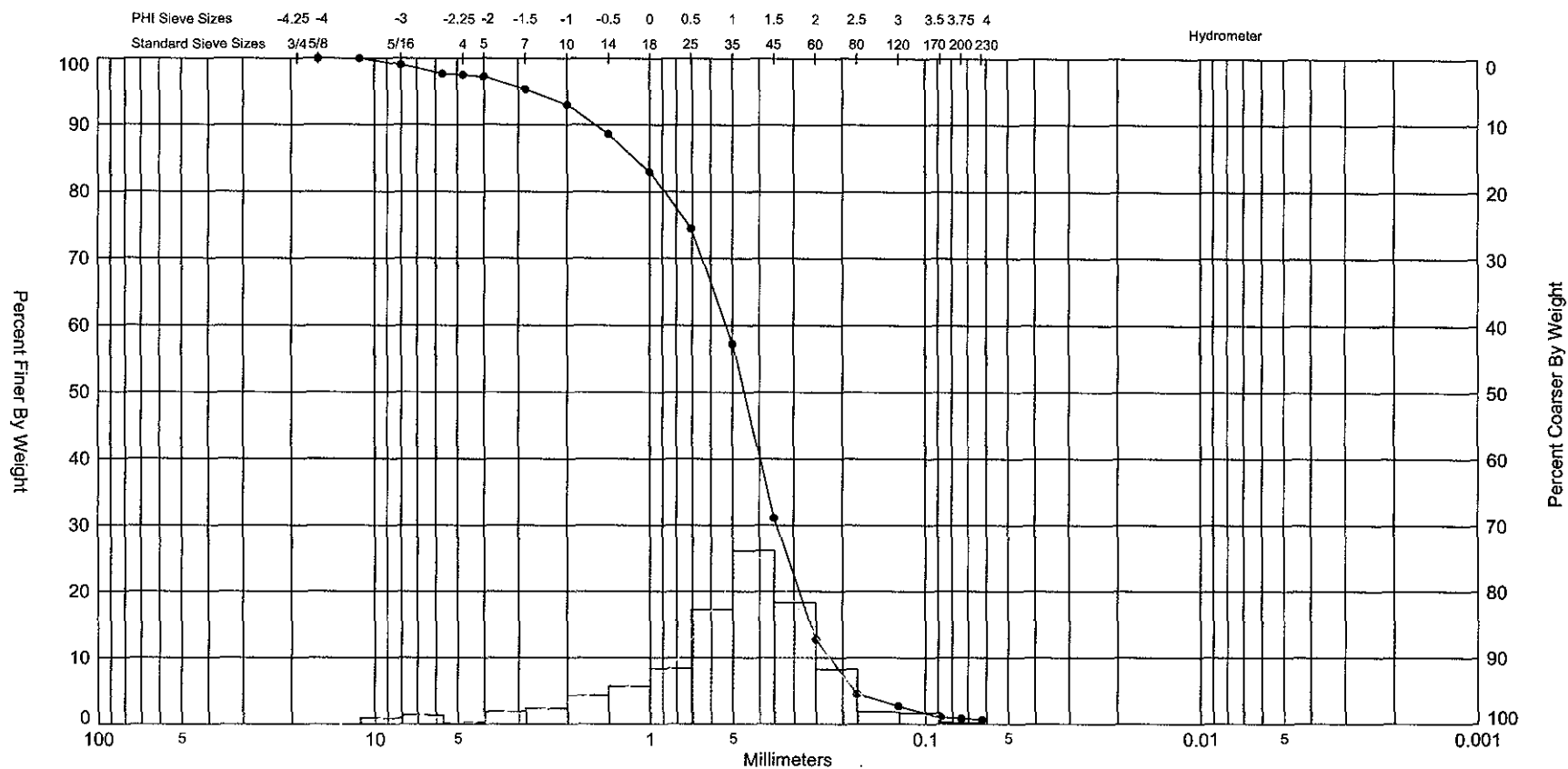
ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS	
	0.0						
					1	Sample #1, Depth = 0.0' - 0.5'	0
	5.5		Fine grained, quartz, SAND, contact obscured, yellow (10YR-7/6), (SP).				
					2	Sample #2, Depth = 5.0' - 5.5'	5
	8.0		Clayey, SAND, contact obscured, brown (10YR-5/3), (SC).				
	8.5		CLAY, brown (10YR-4/3), (CL).				
			End of Boring				10
							15
							20
							25

FLORIDA DEP ROSS MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
LCDA-01 #1	—●—		SW	#200 - 0.92 #230 - 0.70	1.00	4.30	1.35	0.97	-1.33	4.59	1.54	Project Name:	Matagorda County Sand Search
Comments:												Analysis Date:	05-31-05
Depths and elevations based on measured values												Analyzed By:	WJD
 COASTAL TECH Coastal Geology & Sediments Laboratory						Coastal Tech 715 North Drive Suite G Melbourne, Florida 32934 ph 321 751 1135 fax						Easting (X, m):	10,607,423
												Northing (Y, m):	660,781
												Horizontal System:	NAD 1927
												Vertical System:	Observational



Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
LCDA-01 #2			SW	#200 - 0.84 #230 - 0.65	0.40	3.40	1.14	0.92	-1.07	4.82	1.17	Project Name:	Matagorda County Sand Search
Comments:												Analysis Date:	05-31-05
Depths and elevations based on measured values												Analyzed By:	WJD
 COASTAL TECH Coastal Geology & Sediments Laboratory						Coastal Tech 715 North Drive Suite G Melbourne, Florida 32934 ph 321 751 1135 fax						Easting (X, m):	10,607,423
												Northing (Y, m):	660,781
												Horizontal System:	NAD 1927
												Vertical System:	Observational

Granulometric Report

Depths and elevations based on measured values



COASTAL TECH

Coastal Geology & Sediments Laboratory

Project Name: Matagorda County Sand Search

Sample Name: LCDA-01 #1

Analysis Date: 05-31-05

Analyzed By: WJD

Coastal Tech
715 North Drive Suite G
Melbourne, Florida 32934
ph 321 751 1135
fax

Easting (m): 10,607,423	Northing (m): 660,781	Coordinate System: UTM Zone 15	Elevation (ft):
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USCS: SW	Munsell: Wet - 10YR-7/6	Comments:
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Dry Weight (g): 98.21	Wash Weight (g): 98.21	Pan Retained (g): 0.69	Sieve Loss (%): 0.00	Fines (%): #200 - 0.92 #230 - 0.70	Organics (%): 1.00	Carbonates (%): 4.30	Shells (%):
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Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained
5/8"	-4.00	16.00		0.00	0.00	0.00
11/16"	-3.50	11.31	2.57	2.62	2.57	2.62
5/16"	-3.00	8.00	1.11	1.13	3.68	3.75
3.5	-2.50	5.66	1.87	1.90	5.55	5.65
4	-2.25	4.76	0.75	0.76	6.30	6.41
5	-2.00	4.00	0.74	0.75	7.04	7.17
7	-1.50	2.83	1.82	1.85	8.86	9.02
10	-1.00	2.00	2.06	2.10	10.92	11.12
14	-0.50	1.41	3.67	3.74	14.59	14.86
18	0.00	1.00	3.97	4.04	18.56	18.90
25	0.50	0.71	5.49	5.59	24.05	24.49
35	1.00	0.50	10.65	10.84	34.70	35.33
45	1.50	0.35	20.43	20.80	55.13	56.13
60	2.00	0.25	20.92	21.30	76.05	77.44
80	2.50	0.18	12.60	12.83	88.65	90.27
120	3.00	0.13	6.14	6.25	94.79	96.52
170	3.50	0.09	1.97	2.01	96.76	98.52
200	3.75	0.07	0.55	0.56	97.31	99.08
230	4.00	0.06	0.21	0.21	97.52	99.30

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Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95
2.88	2.26	1.94	1.35	0.52	-0.36	-2.67

Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis
Statistics	0.97	0.51	1.54	-1.33	4.59

GRANULOMETRIC REPORT MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05

Granularmetric Report

Depths and elevations based on measured values



COASTAL TECH

Coastal Geology & Sediments Laboratory

Project Name: Matagorda County Sand Search

Sample Name: LCDA-01 #2

Analysis Date: 05-31-05

Analyzed By: WJD

Coastal Tech
715 North Drive Suite G
Melbourne, Florida 32934
ph 321 751 1135
fax

Easting (m):

10,607,423

Northing (m):

660,781

Coordinate System:

UTM Zone 15

Elevation (ft):

USCS:

SW

Munsell:

Wet - 10YR-7/6

Comments:

Dry Weight (g):

117.94

Wash Weight (g):

117.94

Pan Retained (g):

0.77

Sieve Loss (%):

0.00

Fines (%):

#200 - 0.84

#230 - 0.65

Organics (%):

0.40

Carbonates (%):

3.40

Shells (%):

Sieve Number

Sieve Size
(Phi)

Sieve Size
(Millimeters)

Grams
Retained

% Weight
Retained

Cum. Grams
Retained

C. % Weight
Retained

5/8"

-4.00

16.00

0.00

0.00

0.00

0.00

11/16"

-3.50

11.31

0.00

0.00

0.00

0.00

5/16"

-3.00

8.00

1.11

0.94

1.11

0.94

3.5

-2.50

5.66

1.63

1.38

2.74

2.32

4

-2.25

4.76

0.18

0.15

2.92

2.48

5

-2.00

4.00

0.33

0.28

3.25

2.76

7

-1.50

2.83

2.27

1.92

5.52

4.68

10

-1.00

2.00

2.77

2.35

8.29

7.03

14

-0.50

1.41

5.12

4.34

13.41

11.37

18

0.00

1.00

6.70

5.68

20.11

17.05

25

0.50

0.71

9.89

8.39

30.00

25.44

35

1.00

0.50

20.37

17.27

50.37

42.71

45

1.50

0.35

30.87

26.17

81.24

68.88

60

2.00

0.25

21.64

18.35

102.88

87.23

80

2.50

0.18

9.72

8.24

112.60

95.47

120

3.00

0.13

2.15

1.82

114.75

97.30

170

3.50

0.09

1.97

1.67

116.72

98.97

200

3.75

0.07

0.23

0.20

116.95

99.16

230

4.00

0.06

0.22

0.19

117.17

99.35

Phi 5

Phi 16

Phi 25

Phi 50

Phi 75

Phi 84

Phi 95

2.47

1.91

1.67

1.14

0.47

-0.09

-1.43

Moment

Mean Phi

Mean mm

Sorting

Skewness

Kurtosis

Statistics

0.92

0.53

1.17

-1.07

4.82

GRANULARMETRIC REPORT MATAGORDA COUNTY TEXAS.GPJ FL DEP ROSS.GDT 6/7/05